

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/014158

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F02D19/08 F02D41/00 F02D41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 408 957 A (CROWLEY ET AL) 25 April 1995 (1995-04-25) column 1, line 52 - column 3, line 30; figure 2	1, 4, 7
A	US 5 546 902 A (PALUCH ET AL) 20 August 1996 (1996-08-20) column 1, line 62 - column 3, line 17	1, 4, 7
A	US 4 181 100 A (MORITA, AKIRA ET AL) 1 January 1980 (1980-01-01) the whole document	1, 4, 7
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

6 October 2005

Date of mailing of the international search report

14/10/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 159 (M-228), 13 July 1983 (1983-07-13) & JP 58 067938 A (NISSAN JIDOSHA KK), 22 April 1983 (1983-04-22) abstract	1,4,7
A	----- US 6 405 720 B1 (COLLIER, JR. R. KIRK) 18 June 2002 (2002-06-18) column 4, lines 1-38; figure 1 -----	1,4,7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/JP2005/014158

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5408957	A	25-04-1995	NONE	
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			WO 9323668 A1	25-11-1993
			BR 9306364 A	30-06-1998
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